

# **Crop Weather Report**

Issue: 07-21 Issued: Weekly: Apr-Oct Monthly: Nov-Mar Montana Field Office · 10 W 15<sup>th</sup> St, Suite 3100 · Helena, MT 59626

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Released: July 30, 2007 For the Week Ending: July 29, 2007

# **Weather Summary**

During the week ending July 29<sup>th</sup>, Montana experienced hot temperatures with limited precipitation. Glendive and Wolf Point reached 111 degrees, and only four weather stations had highs for the week that were less than 95 degrees. Swan Lake had the low temperature at 39 degrees. Rapelje received the most moisture at 3.12 inches from an isolated thunderstorm, while the rest of the state had below normal precipitation. Topsoil moisture adequate and surplus is 15 percent, below last week's 23 percent and the five-year average of 24 percent but above last year's 13 percent. Subsoil moisture adequate and surplus, at 29 percent, is below last week's 39 percent but is above both last year's rating and the five-year average of 18 and 26 percent, respectively. The number of days suitable for fieldwork decreased from 6.9 days the previous week to 6.7 days.

The weather outlook for August 6<sup>th</sup> through August 12<sup>th</sup> is for below normal temperatures and above normal precipitation both east and west of the continental divide. Normal temperatures for this period in the state are highs in the upper 70s to the upper 80s and lows ranging from 40 degrees to the lower 60s.

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg	
Winter Wheat					
Very Poor	3	2	2	4	
Poor	6	4	5	10	
Fair	31	27	28	31	
Good	45	49	36	39	
Excellent	15	18	29	16	
Barley					
Very Poor	17	15	5	6	
Poor	20	15	14	14	
Fair	26	24	30	31	
Good	29	38	41	39	
Excellent	8	8	10	10	
Oats					
Very Poor	3	2	8	7	
Poor	14	7	13	12	
Fair	28	23	31	30	
Good	44	59	40	42	
Excellent	11	9	8	9	
Spring Wheat					
Very Poor	14	8	13	7	
Poor	17	9	18	15	
Fair	27	21	43	34	
Good	36	55	25	37	
Excellent	6	7	1	7	
<b>Durum Wheat</b>					
Very Poor	4	3	11	6	
Poor	19	15	40	20	
Fair	29	24	30	29	
Good	34	47	19	38	
Excellent	14	11	0	7	

	July 29, 2001									
Soil Moisture & Fieldwork Table	This Week									
Topsoil Moisture										
Very Short	40	29	48	35						
Short	45	48	39	41						
Adequate	14	21	13	23						
Surplus	1	2	0	1						
<b>Subsoil Moisture</b>										
Very Short	32	19	40	34						
Short	39	42	42	40						
Adequate	29	37	17	25						
Surplus	0	2	1	1						
Days Suitable for Fieldwork										
Days	6.7	6.9	6.8	6.8						

## Field Crops Report

Grain is turning color fast with temperatures above 100 degrees. All of the small grains are turning faster than last year with the exception of durum wheat. The high temperatures are causing considerable damage to some of the later seeded crops, but oats, spring wheat, and durum wheat are in better condition than last year. The first cutting of all hay is nearly complete.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
Headed				
Durum Wheat	97	88	99	92
Turning				
Barley	97	66	67	65
Oats	92	63	81	63
Spring Wheat	91	50	87	67
Durum Wheat	58	45	89	52
Harvested				
Winter Wheat	59	19	78	35
Spring Wheat	3	n/a	14	5
Durum Wheat	1	n/a	4	1
Barley	10	2	14	6
Oats	14	4	15	6
Dry Peas	47	7	39	n/a
Lentils	30	4	55	n/a
Hay First Cutting				
All Other	98	91	98	91
Hay, Second Cutting				
Alfalfa	31	8	30	19
All Other	5	2	18	9

### **Livestock Report**

Range and pasture feed conditions have declined since the previous week due to hot temperatures and little rainfall. Forty-four percent is rated good to excellent, compared to 56 percent the previous week. Conditions are better than last year and the five-year average.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg							
Range and Pasture Feed Condition											
Very Poor	10	10	12	15							
Poor	13	9	25	22							
Fair	33	25	33	32							
Good	34	46	25	26							
Excellent	10	10	5	5							

Weather Information for the Week ending 07/29/2007

	on for the week ending 07/29/2007			Precipitation									
Station ID	Tei Hi	mperatur LOW   /	e AVG	GD B50	Ds DFN	This \ Total	Week DFN	Total	oril 1 to Da	ate %NRM	Octo Total	ber 1 to DFN	Date %NRM
NORTHWEST	99	54	77	190	+64	0.24	+0.05	4.78	-0.59	89	15.39	+4.31	139
Alberton Anaconda	94	54 51	77 72	153	+69	0.24	-0.05	8.41	-0.59 +1.27	118	14.53	+3.10	127
Clinton	100	50	75	179	+53	0.00	-0.19	6.70	+1.33	125	15.42	+4.34	139
Corvallis	99	53	75	178	+59	0.00	-0.18	3.87	-1.21	76	6.71	-4.10	62
Creston Deer Lodge	96 96	51 49	74 72	172 152	+67 +65	0.13 0.18	-0.18 -0.05	5.66 6.33	-2.55 +0.91	69 117	10.31 9.59	-6.15 +1.30	63 116
Drummond	98	49	72	157	+45	0.80	+0.58	6.92	+1.04	118	10.66	-0.08	99
Hamilton	101	55	78	199	+80	0.00	-0.18	4.15	-0.93	82	8.13	-2.68	75
Kalispell	98	48	74	170	+67	0.41	+0.20	4.99	-1.24	80	10.89	-2.89	79
Missoula Olney	100 98	58 41	79 71	207 145	+81 +54	0.00 0.10	-0.19 -0.18	3.90 3.62	-1.47 -4.12	73 47	9.40 15.32	-1.68 -4.77	85 76
Polson	95	56	77	192	+66	0.10	-0.18	7.25	+0.24	103	12.10	-4.77 -1.52	89
St Ignatius	98	57	78	198	+74	0.11	-0.10	6.17	-1.34	82	11.52	-2.23	84
Seeley Lake	98	49	76	183	+92	0.00	-0.21	4.34	-2.12	67	14.88	-3.87	79
Sula Superior	94 104	44 53	68 78	130 197	+46 +66	0.00	-0.26 -0.19	7.56 5.12	+0.48 -0.30	107 94	12.94 14.93	-0.43 +0.94	97 107
Swan Lake	96	39	68	130	+39	0.00	-0.19 -0.28	7.93	-0.30 -0.27	94 97	23.68	-0.58	98
Thompson Falls	105	55	80	214	+81	0.00	-0.21	5.74	-0.72	89	23.27	+3.00	115
West Glacier	97	50	75	175	+77	0.05	-0.30	7.02	-2.25	76	23.87	-1.24	95
NORTH CENTRAL	00	<b>-</b> 7	70	107	. 74	0.00	0.10	4.00	1.00	70	0.00	0.47	0.4
Chester Chinook	99 102	57 54	78 78	197 195	+71 +55	0.09 0.01	-0.19 -0.29	4.29 7.96	-1.80 +1.23	70 118	8.03 11.75	-0.47 +2.28	94 124
Choteau	99	54	74	169	+43	0.00	-0.28	4.06	-2.14	65	5.77	-2.40	71
Cut Bank	100	57	77	188	+83	0.02	-0.26	0.96	-5.71	14	1.44	-7.56	16
Ft Assinniboine	107	56	80	208	+61	0.00	-0.28	7.54	+1.32	121	11.05	+1.81	120
Fort Benton Goldbutte	102 102	58 48	77 76	191 185	+51 +76	0.18 0.01	-0.07 -0.25	7.01 6.08	-0.43 -0.98	94 86	11.34 10.20	-0.22 +0.39	98 104
Harlem	102	46 54	76 79	209	+69	0.01	-0.25 -0.25	8.31	-0.96 +1.86	129	11.32	+0.39	125
Havre	106	57	79	207	+63	0.01	-0.27	7.58	+1.90	133	10.97	+2.30	127
Malta	103	57 60	84	238	+102	0.50	+0.09	8.74	+1.23	116	11.52	+1.38	114
Rudyard Shelby	102 100	60 49	78 75	194 179	+45 +63	0.19 0.00	-0.09 -0.28	8.20 3.66	+0.69 -3.23	109 53	11.51 7.06	+0.62 -2.20	106 76
Turner	100	49 50	75 79	202	+66	0.00	-0.28 -0.35	6.80	-3.23 -0.71	91	8.63	-2.20 -1.51	85
Valier	96	55	76	182	+66	0.38	+0.10	4.14	-2.75	60	6.08	-3.18	66
NORTHEAST	400			0.1.1	70	0.00	2.00	40.40	0.07	444	10.10	0.04	444
Bredette Culbertson	108 108	55 54	80 80	214 212	+73 +70	0.09 0.33	-0.26 -0.02	10.10 9.13	+3.07 +1.03	144 113	13.13 12.44	+3.81 +1.61	141 115
Glasgow	106	62	82	228	+75	0.33	-0.02	10.69	+4.50	173	12.44	+4.29	150
Glendive	111	61	85	246	+71	0.07	-0.21	9.10	+1.33	117	12.41	+1.66	115
Jordan	108	60	81	220	+59	0.17	-0.18	11.00	+3.51	147	13.31	+2.83	127
Nashua	108	61	84	240	+87	0.15	-0.20	11.99	+5.80	194	14.51	+6.00	171
Opheim Plentywood	102 107	48 49	78 81	196 217	+77 +84	0.65 0.40	+0.23 +0.03	9.17 12.12	+2.06 +5.06	129 172	11.16 14.46	+2.02 +5.05	122 154
St Marie	103	<del>5</del> 9	82	226	+73	0.27	-0.08	8.62	+2.43	139	10.14	+1.63	119
Scobey	110	58	82	227	+86	0.14	-0.21	10.12	+3.09	144	12.44	+3.12	133
Sidney Wolf Point	107 111	55 57	82 82	225 226	+78 +72	0.06 0.06	-0.29 -0.32	9.75 10.23	+2.11 +1.65	128 119	12.38 11.88	+1.60 -0.13	115 99
CENTRAL	111	57	02	220	<b>+/</b> 2	0.06	-0.32	10.23	+1.00	119	11.00	-0.13	99
Cascade	97	47	72	153	+62	0.00	-0.25	8.50	+0.55	107	12.55	+0.85	107
Grass Range	99	61	77	194	+59	0.04	-0.31	11.65	+2.21	123	17.58	+3.96	129
Great Falls Harlowton	100 99	56 54	78 75	198 175	+65 +49	0.00 0.73	-0.26 +0.45	5.76 10.43	-1.72 +2.87	77 138	10.35 15.12	-2.00 +4.17	84 138
Helena	101	61	80	215	+75	0.73	-0.21	5.82	+2.67 +0.17	103	8.93	-0.16	98
Lewistown	98	57	75	178	+64	0.03	-0.32	10.98	+1.72	119	16.25	+1.62	111
Martinsdale	98	49	72	156	+59	0.78	+0.43	7.59	+0.49	107	11.26	+0.83	108
Neihart Rogers Pass	98 98	51 52	72 75	157 173	+66 +54	1.45 0.10	+1.10 -0.13	13.81 8.61	+3.54 +1.62	134 123	23.21 13.26	+6.45 +2.98	138 129
Roundup	106	60	75 81	218	+54 +57	0.10	-0.13 -0.07	10.40	+3.56	152	14.85	+2.96 +4.98	150
Ryegate	100	59	76	185	+73	0.15	-0.14	9.32	+2.40	135	13.64	+3.58	136
Stanford	99	54	76	184	+72	0.05	-0.30	8.98	-0.20	98	13.68	+0.27	102
Townsend	96 103	54 62	76 79	183 206	+57	0.06 0.07	-0.22 -0.28	4.89	-0.88 +1.69	85 121	7.86 14.30	-0.77 +2.77	91 124
Valentine Wht Sulphur Spr	98	62 51	79 74	167	+63 +90	0.07	-0.26 -0.26	9.86 4.64	+1.69 -3.02	121 61	7.53	+2.77 -5.73	124 57
SOUTHWEST													
Boulder	96	53	74	166	+47	0.06	-0.22	6.17	+0.22	104	9.37	+0.31	103
Bozeman Butte	97 95	54 51	76 71	183 147	+57 +49	0.05 0.09	-0.17 -0.13	11.86 6.64	+2.68 +0.53	129 109	22.34 10.59	+6.67 +1.14	143 112
Dillon	95	51 54	72	159	+49	0.09	-0.13 -0.13	6.91	+0.55 +1.21	109	10.39	+1.14	130
Ennis	97	46	72	157	+45	0.79	+0.56	7.78	+0.89	113	13.23	+2.81	127
Lakeview	91	48	70	142	+72	0.42	+0.10	4.00	-4.62	46	10.86	-5.86	65
W Yellowstone Wisdom	95 94	40 40	68 66	125 116	+51 +54	0.67 0.67	+0.32 +0.46	4.16 6.60	-3.34 +1.44	55 128	11.10 12.44	-7.59 +3.49	59 139
SOUTH CENTRAL	34	70	00	110	· J+	0.07	. 0.40	0.00	· 1.44	120	14.74	· U.Ŧ3	100
Billings	104	62	80	213	+45	0.51	+0.37	9.17	+1.99	128	15.01	+2.36	119
Cooke City	96	51	72	153	+111	0.52	+0.10	5.83	-3.35	64	11.72	-9.28	56
Gardiner Hardin	99 107	57 58	76 82	181 228	+41 +74	0.19 0.02	-0.09 -0.12	2.39 8.49	-2.54 +1.00	48 113	6.21 13.87	-2.17 +0.88	74 107
Huntley	107	58 53	62 77	188	+74 +41	0.02	-0.12 -0.09	9.20	+1.00	129	13.87	+0.88 +2.67	107
Hysham	104	61	79	207	+43	0.35	+0.14	9.16	+2.05	129	14.35	+3.60	133
Joliet	103	56	76	186	+41	0.45	+0.26	8.57	+0.43	105	14.44	+1.04	108
Livingston	100 98	53 54	75 74	176 168	+43 +35	0.82 0.73	+0.54 +0.45	8.53 8.91	+0.44 +0.82	105 110	14.60 14.13	+2.08 +1.61	117 113
Nye Rapelje	99	54 59	74 77	190	+35 +48	3.12	+0.45	14.08	+0.82 +6.31	181	18.46	+1.61 +5.83	146
SOUTHEAST													
Albion	106	59	79	203	+49	0.37	+0.09	9.46	+1.54	119	13.83	+2.67	124
Baker	108	56 56	80	214	+53 +57	0.00	-0.33 0.16	10.86	+2.97	138	14.47	+3.08	127
Broadus Ekalaka	104 102	56 59	80 80	211 210	+57 +56	0.05 0.00	-0.16 -0.23	9.69 11.34	+2.20 +1.78	129 119	14.04 16.84	+2.60 +3.26	123 124
Miles City	110	63	84	242	+60	0.00	-0.28	8.26	+0.39	105	11.06	-0.51	96
Plevna	107	56	80	213	+52	0.00	-0.33	9.14	+1.25	116	13.49	+2.10	118
Compiled by AWIS In	c. based	on NWS	data.	DFN-I	Jepartu	ire from	normal 1	1961-199	u. GDD-G	arowing d	egree da	ıys	